

calculating consumption power and a delay of a signal path; and

assigning to a logic circuit one cell selected among at least two kinds of cells constructed of switching elements which have different threshold voltages while having the same function and the same shape, using the result of the step of calculating consumption power and a delay of a signal path.

23. (Amended) A designing method for a semiconductor integrated circuit according to claim 21, using the storage medium on which there is stored the cell library, comprising at least the steps of:

designing a logic circuit using only cells constructed of switching elements each with a high threshold value;

calculating consumption power and a delay of a signal path; and

replacing a part of the logic circuit designed using only cells constructed of switching elements each with a high threshold value, by a cell constructed of switching elements each of which has a low threshold value while having the same function and the same size.